

Space Science Education and Public Outreach

A Report to the American Astronomical Society NASA Town Hall Meeting

**Atlanta, GA
January 5, 2004**

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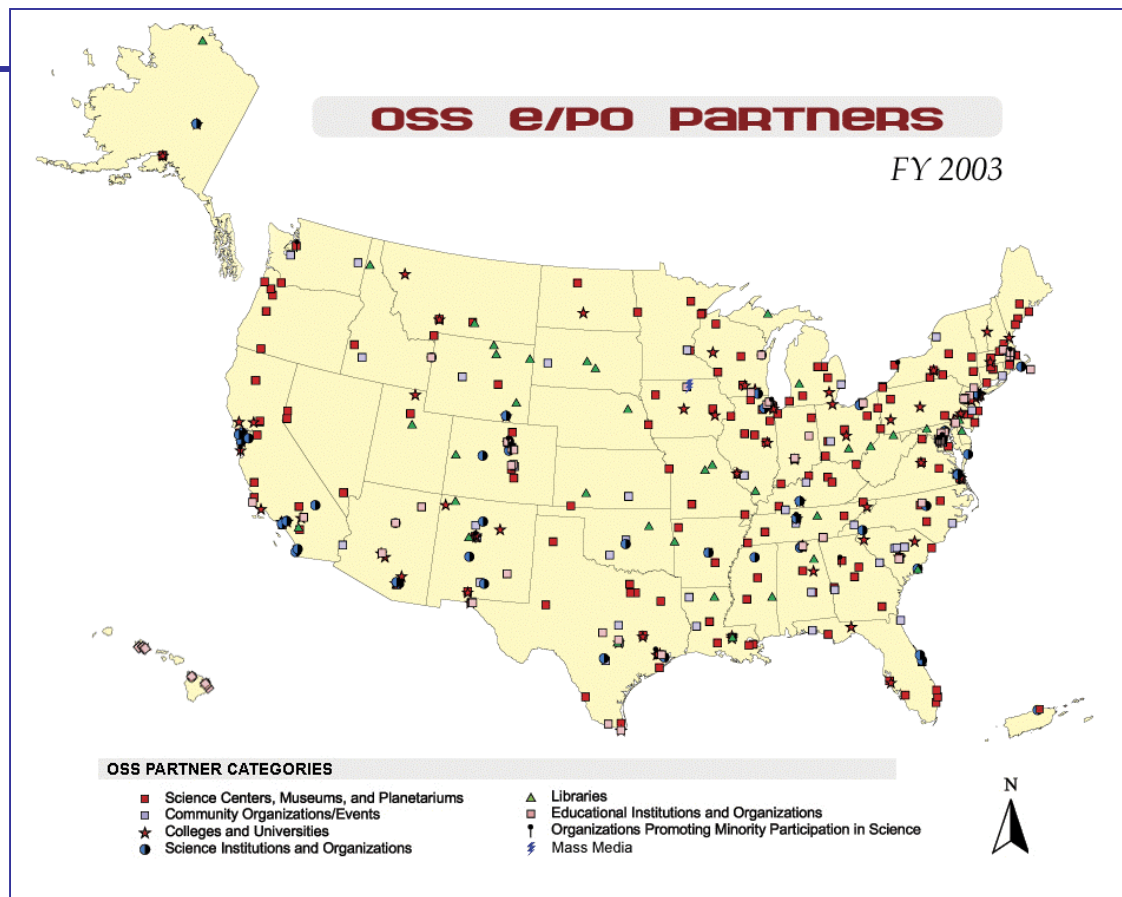




Contributors to FY 2003 OSS E/PO Program

- 115 OSS Missions and Programs.
- Over 1,300 OSS-affiliated scientists, technologists, and support staff.
- Over 500 institutional partners, including:

- ~ 200 science centers, museums, and planetariums.
- ~ 40 precollege educational organizations, school districts and boards.
- ~ 200 science institutions and organizations, colleges and universities (including more than 30 minority institutions).



- 16 professional societies of minority scientists and organizations promoting minority participation in science.
- ~ 80 libraries and community organizations.
- Over 2,400 institutions participating as host sites for OSS exhibits and events.

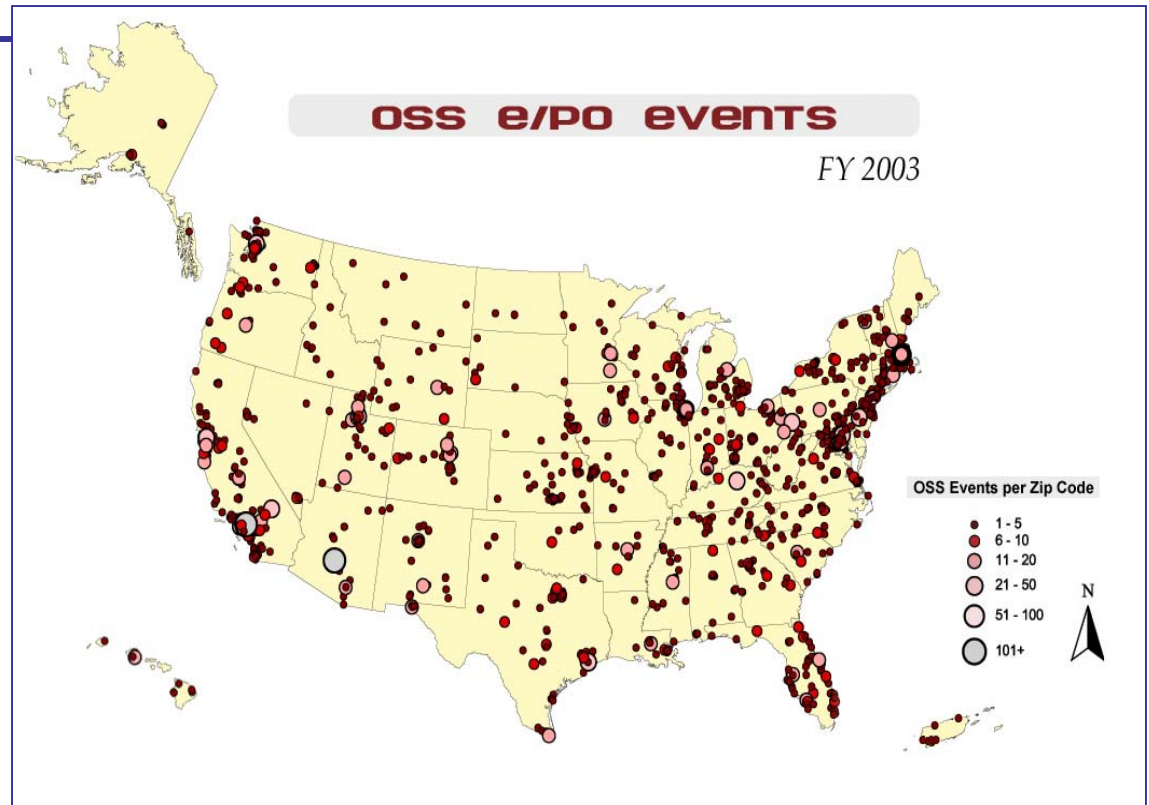


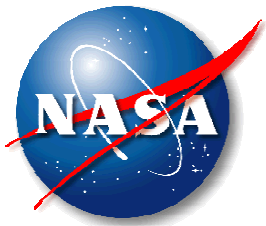
Extent of FY 2003 OSS E/PO Program

- 460 E/PO activities and 20 new products.
- More than 5,000 discrete E/PO events.
- Presence in all 50 states, DC, and PR.
- Presence at more than 20 national and 50 regional E/PO conferences.
- More than 30 awards and other forms of public recognition received.

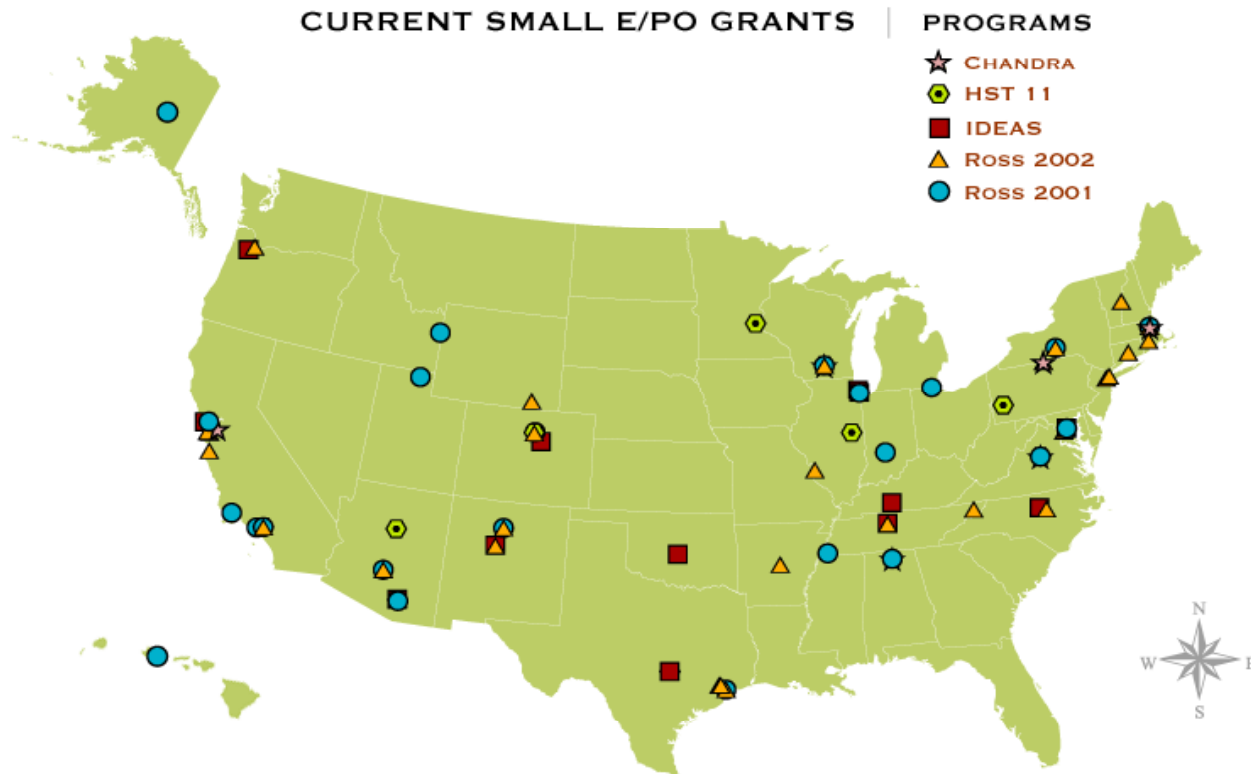
- Estimated participants:

- Over 390,000 direct participants in workshops, community and school visits, and other interactive special events.
- Over 3 million visitors for museum exhibitions, planetarium shows, public lectures, and special events
- Over 6 million Internet participants for web casts, web chats, and other web events.
- Accessible to 200 million through conference exhibits, radio and television broadcasts, newspaper columns, and other forms of public media.





OSS Current Small E/PO Grants (~100 active projects)





Minority University College and University Research and Education Initiative (MUCERPI) in Space Science

2003 SELECTIONS

- **8 Historically Black Colleges or Universities**
 - Alabama A&M University, Dr. Ravindra B. Lal
 - Fisk University, Dr. Arnold Burger
 - Hampton University, Dr. Wayne R. Pryor
 - Norfolk State University, Dr. Carlos W. Salgado
 - North Carolina A&T St. Univ, Dr. Abebe Kebede
 - South Carolina State University, Dr. Donald K. Walter
 - Southern University, Baton Rouge, Dr. J. Gregory Stacy
 - University of the District of Columbia, Dr. Abiose O. Adebayo
- **5 Hispanic-Serving Institutions**
 - California State University at Los Angeles, Dr. Charles W. Liu
 - California State University at San Bernadino, Dr. Susan Lederer
 - University of Houston–Downtown, Dr. Penny Morris-Smith
 - University of Puerto Rico at Mayagüez, Mr. Rafael Fernandez
 - University of Texas at El Paso, Dr. Ramon E. Lopez
- **2 Tribal Colleges or Universities**
 - Salish Kootenai College, Dr. Timothy S. Olson
 - Southwestern Indian Polytechnic Institute, Mr. Kirby Gchachu
- **1 Minority-Predominant Institution (>50% minority undergraduate enrollment)**
 - Medgar Evers College, Dr. Leon P. Johnson



Partners

The key to success for these projects is the partnerships they have with more than 50 major space science research or educational institutions, including:

- **NASA Field Centers and affiliated institutions**

- NASA Ames Research Center
- NASA Astrobiology Institute
- NASA Goddard Space Flight Center
- NASA Jet Propulsion Laboratory
- NASA Johnson Space Center
- NASA Langley Research Center
- NASA Marshall Space Flight Center
- Lunar and Planetary Institute

- **Major laboratories and observatories**

- Arecibo Observatory
- Lawrence Berkeley National Laboratory
- Lawrence Livermore National Laboratory
- Planetary Science Institute
- Smithsonian Astrophysical Observatory
- U.S. Geological Survey, Flagstaff

- **Major science centers, museums, and planetariums**

- Hayden Planetarium
- Houston Museum of Natural Sciences
- Insights Museum
- New Mexico Museum of Natural History
- Virginia Air and Space Center

- **Major research universities**

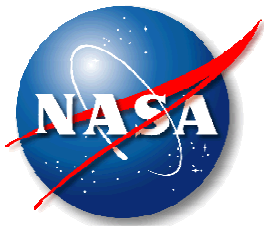
- Boston University
- Catholic University
- Harvard University
- Johns Hopkins University
- Louisiana State University
- Montana State University
- Rice University
- University of Alabama, Huntsville
- University of Alaska, Fairbanks
- University of Colorado at Boulder
- University of Maryland, College Park
- University of Maryland, Baltimore County
- University of New Mexico
- University of Southern California
- University of Virginia
- University of Wisconsin
- Vanderbilt University
- Virginia Institute of Technology
- Yale University

Chicago 2004

**A Workshop to Foster Broader Participation in
NASA Space Science Missions and Research Programs**

**The Hilton Chicago
June 28-29, 2004**

<http://analyzer.depaul.edu/chicago2004>



Chicago 2004 Overview

- **The NASA Office of Space Science (OSS) Invites**
 - Current and prospective OSS-sponsored investigators;
 - Minority University faculty and administrators, members of professional societies of minority scientists, and underrepresented minority scientists/educators seeking to work with OSS; and
 - Scientists, educators, and others interested in supporting the workshop goals
- **To Participate in Briefings and Discussions on**
 - Future OSS mission and research program plans and opportunities,
 - How successful mission and research teams and proposals are put together, and
 - How plans and solicitations for future OSS missions and research programs are developed and publicized, and how proposals are reviewed and selected.
- **With ample time for**
 - Sharing experiences and interests,
 - Developing insights, and
 - Forming partnerships leading to broader participation in future OSS missions and research programs.



What AAS Can Do to Help

- PERSONAL CONTACTS to encourage attendance by:
 - Scientists affiliated with established OSS-sponsored mission or research teams *seeking to bring in new partners*, and
 - Currently unaffiliated scientists--particularly those from minority communities and minority institutions--seeking to join mission or research teams.